

## 1. Product name

### a) trade name

- in Polish - Salmag z siarką<sup>®</sup>
- in English - Salmag<sup>®</sup> with sulphur (Ammonium nitrate with sulphur, AN with sulphur), granulated
- in German - Salmag<sup>®</sup> mit Schwefel ( Ammoniumnitrat mit Schwefel), granuliert

### b) chemical name:

- in Polish - mieszanina azotanu amonu z siarczanem(VI) wapnia,
- in English - mixture of ammonium nitrate with calcium sulphate
- in German - Mischung von Ammoniumnitrat mit Kalziumsulfat

### c) UN proper shipping name

- in Polish - Nawóz nie zalicza się do materiałów niebezpiecznych w myśl przepisów RID/ADR.
- in English - This fertiliser is not a hazardous material according to RID/ADR.
- in German - Düngemittel ist gemäß RID/ADR-Vorschriften nicht als Gefahrgut eingestuft.

### d) chemical formula - $\text{NH}_4\text{NO}_3 + \text{CaSO}_4$

### e) PKWiU symbol - 20.15.35.0

### f) CN symbol- 3102 40 10

### g) UFI code: XY00-H0DQ-M009-3GAK

## 2. Quality requirements

### 2.1. General requirements

The fertilizer has a form of bulk granules, coloured from white to gray depending on the filler colour.

### 2.2. Physical and chemical requirements

Pos.	Parameter	Value*	Unit	Test method
1.	total nitrogen (N)	27.0	% (m/m)	In-house method of Grupa Azoty ZAK S.A based on PN-EN 15476:2009
2.	nitrate nitrogen	13.5	% (m/m)	In-house method of Grupa Azoty ZAK S.A based on PN-EN 15475:2009
3.	ammoniacal nitrogen	13.5	% (m/m)	In-house method of Grupa Azoty ZAK S.A based on PN-EN:15604:2012
4.	total calcium per CaO	9.4	% (m/m)	In-house method of Grupa Azoty ZAK S.A based on PN-EN 16198:2013-05
5.	water soluble calcium per CaO	6.6	% (m/m)	In-house method of Grupa Azoty ZAK S.A based on PN-EN 16198:2013-05
6.	total sulphur (S)	4.8	% (m/m)	In-house method of Grupa Azoty ZAK S.A based on PN-EN 16198:2013-05
7.	loss on drying	not more than 0.8	% (m/m)	PN-C 87010:1999
8.	Granules. 95% of the product is in the form of granules with dimensions of 2.0 - 5.0 mm.			PN-EN 1235:1999/A1:2004

\*Permissible tolerances for the declared contents of macronutrients and other declared parameters are included in Annex III, Part III of Regulation (EU) 2019/1009 and in Commission Delegated Regulation (EU) 2021/1768 of June 23, 2021, as amended.

## 3. Intended use

Salmag<sup>®</sup> with sulphur is used as a fertilizer.

## 4. Shelf life/Durability

Subject to compliance with storage and transport conditions as per item 7 and 8, shelf-life of the fertilizer is indefinite.

## 5. Document confirming product quality

A quality certificate is issued each time at the customer's request.

## 6. Packing

The fertiliser is packed to:




- vented polyethylene bags, 50± 0.5 kg,
- other packaging and of different sizes ensuring fertiliser safety during storage, transport, handling and use sealed in a way or with the use of such device that each attempt of its opening results in irreversible damage to the closing, seal or packaging itself.



In case of exported fertiliser, the type and size of packaging is as agreed with the recipient.

Bulk fertiliser can be loaded to clean, dry, tight means of transportation protected against humidity and compliant with the applicable transport provisions. Door of such mean of transportation should be secured in a way to enable its easy opening for unloading purposes.

### 6.1. Labelling

If the fertiliser is sent to a domestic recipient, the outer side of packaging should be affixed, according to item 6, with permanent label. The labelling contains at least the following data in accordance with the requirements of Regulation 2019/1009 (as amended), Regulation (EC) 1272/2008 (as amended), RID/ADR regulations:

a) CE marking with the number of Notified Body	
b) product function category (PFC) of the EU fertilizer	PFC 1(C)(I)(a)(i): Straight solid inorganic macronutrient fertiliser
c) declared component functions of the EU fertilizer	N (Ca, S) 27 (+9,4 +12) / 27 (+6,7 +4,8) 27% TOTAL NITROGEN (N) 13.5% nitric nitrogen 13.5% ammoniacal nitrogen 9.4% TOTAL CALCIUM OXIDE (CaO) (=6,7% Ca) 6.6% calcium oxide (CaO) soluble in water (=4,7% Ca) 12% TOTAL SULPHUR TRIOXIDE (SO <sub>3</sub> ) (=4.8% S) 7.9% sulphur trioxide (SO <sub>3</sub> ) soluble in water (=3.2% S)
d) components above 5% by weight of the product with the assigned component material category (CMC)	CMC 1 - Ammonium nitrate (CAS 6484-52-2) CMC 1 - Anhydrite flour
e) granulometry	Granulometry: Granules. 95% of the product is in the form of granules with dimensions of 2.0 - 5.0 mm.
f) net weight	Net weight: ..... kg
g) date of manufacture or other element allowing identification	
h) name and address of the manufacturer	
i) trade name of the fertilizer according to p.1.a	Salmag <sup>®</sup> with sulphur
j) application information	
k) recommended storage conditions (handling marks according to PN-EN ISO 780:2016: mark No. 10, No. 11, No. 14, No. 16)	For 50 kg packages:  For 500 - 1000 kg packages: 

Bulk:	
	
l) all relevant information on risks to human, animal and environmental health and life, as well as measures recommended to reduce these risks:	
Signal word:	Warning
Hazard statements:	H319 Causes serious eye irritation.
Precautionary statements:	P264 Wash hands thoroughly after handling. P280 Wear eye protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention.
Pictograms indicating the type of hazard:	
m) UN number or ID number	Not applicable
n) UFI code	UFI: XY00-H0DQ-M009-3GAK

In case of fertiliser exported outside the UE, the type and size of packaging is as agreed with the recipient.

## 7. Storage

Salmag<sup>®</sup> with sulphur packaged and in bulk, due to hygroscopicity, should be stored in clean and dry warehouse buildings with non-flammable moisture insulated floor surface. Fertilizer should be protected from water, precipitation, direct sunlight and heat above 30°C.

Keep the fertiliser away from potentially reactive chemical compounds and materials, including among others: organic substances, strong alkaline substances /e.g. lye soda/, lime, cement, powdered metals and flammable materials, such as: coal, sawdust, greases and propellants.

Salmag<sup>®</sup> with sulphur can be stored only near the calcium ammonium nitrate fertilisers

Fertiliser in 50kg packages should be placed horizontally, up to a maximum of 12 layers, in flexible containers (big-bags) 500kg and 600kg should be stored in two layers.

Damaged packaging should be stored separately. Packaging should be placed in a distance of at least 1.5 m from the heat sources and 0.2 m from the warehouse wall. Bulk fertilisers should be stored by forming piles or cones in a manner protecting against mixing of individual types of fertilisers. Between the piles of unit packaging, piles or cones, free space enabling access with means of transportation should be left.

Non-compliance with the above rules may affect the quality of fertiliser.

### 7.1 Labelling of warehouse facilities

Storage site for fertiliser in unit packaging and piles and cones are labelled with a plate containing the fertilisers name and manufacturing date or other element for identification.

## 8. Transport

The fertiliser in unit packaging and in bulk can be transported with any means of transportation, subject to the provisions of item 7. Fertiliser should be protected against atmospheric conditions and contamination. Means of transportation should be clean, dry and tight and their condition should not cause any damage to packaging.

This fertiliser is not a hazardous material according to RID/ADR.

## 9. Other information

Salmag<sup>®</sup> with sulphur is granulated mechanically.

Salmag<sup>®</sup> with sulphur is kosher certified.

The product is made under a management system in accordance with ISO 45001:2018, ISO 50001:2018, ISO 14001:2015, ISO 9001:2015 .

Grupa Azoty ZAK S.A. fertilizer products have been included in the Product Stewardship program of the Fertilizers Europe organization.

Replaces Salmag<sup>®</sup> with sulphur Specification PZ-034-01-2.0